



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT** of:

Sezgin et al.
Patent No.: 6,947,402 *B2*
Issued: September 20, 2005
Appln. No.: 10/074,949
Filed: February 13, 2002
For: USER EQUIPMENT FOR CODE
GROUP SYNCHRONIZATION

Our File: I-2-0139.2US

Date: February 3, 2006

Certificate
FEB 09 2006
of Correction

REQUEST FOR CERTIFICATE OF CORRECTION

Attn: Certificate of Corrections Branch
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction under 35 U.S.C. §§ 254, 255 and 37 C.F.R. §§1.322, 1.323 is requested for U.S. Patent No. 6,947,402. Correction of the following errors is requested.

ON THE TITLE PAGE

At section (56), line 8, insert therefor --FOREIGN PATENT DOCUMENTS WO

9912273--.

02/07/2006 MWOLDGE2 00000116 090435 6947402

01 FC:1811 100.00 DA

IN THE SPECIFICATION

FEB 09 2006

At column 2, line 1, after the words "of the", delete "Hadamarak" and insert therefor --Hadamard--.

At column 2, line 44, after the word "50", insert --,--.

At column 4, line 48, after the word "modulate", delete "SSCS" and insert therefor --SSCs--.

At column 4, line 51, after the word "of", delete "Hadamarak" and insert therefor --Hadamard--.

At column 4, line 52, after the word "The", delete "Hadamarak" and insert therefor --Hadamard--.

At column 4, line 63, after the word "of", delete "Hadamarak" and insert therefor --Hadamard--.

At column 5, line 22, after the word "32₁", insert --,--.

At column 7, line 10, before the word "is", delete "108_{2Q}" and insert therefor --108_{2M} --.

At column 7, line 58, after the word "code", insert --groups/two--.

At column 7, line 59, after the first instance of "SSCs", delete "128" and insert therefor --126--.

At column 7, line 59, after the third instance of "SSCs", delete "126" and insert therefor --128--.

At column 8, line 6, after the word "with", delete "aUE" and insert therefor --a UE--.

At column 8, line 22, before the words "using BPSK", delete "114" and insert therefor --112--.

At column 8, line 22, after the word "SSCs", delete "112" and insert therefore --114--.

At column 8, line 26, after the word "lation", delete "112" and insert therefor --114--.

At column 8, line 26, after the word "modulation", delete "114" and insert therefor --112--.

At column 8, line 33, after the words "four PSCH time slots", delete "116" and insert therefor --118--.

At column 8, line 33, after the words "eight PSCH time slots", delete "120" and insert therefor --122--.

At column 8, line 34, after the word "slots", delete "118" and insert therefor --116--.

At column 8, line 35, after the word "slots", delete "122" and insert therefor --120--.

Patentee: Sezgin et al.
Patent No.: 6,947,402 B2

REMARKS

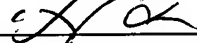
Attached with the certificate of correction is an IDS filed on February 13, 2002. Reference "AA" (WO 9912273) was not initialed by the Examiner. It is respectfully requested that the entire IDS be initialed and dated.

Patentees believe that the above errors are of such a nature as to justify the issuance of a Certificate of Correction. Patentees have enclosed a completed Certificate of Correction Form PTO/SB/44. Since at least one of the errors was caused by Applicant, please charge the surcharge fee of \$100 to the Deposit Account of InterDigital Communications Corporation, Deposit Account No. 09-0435.

Patentees respectfully request that the Certificate of Correction be issued.

Respectfully submitted,

Sezgin et al.

By 
C. Frederick Koenig III
Registration No. 29,662
(215) 568-6400

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

DPD/HV/djw
Enclosure

FEB 09 2006

Approved for use through 07/31/2006.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

	Patent Number	6,947,402 <i>B2</i>
	Issue Date	September 20, 2005
	First Named Inventor	Sezgin et al.
	Application Number	10/074,949
	Filing Date	February 13, 2002
	Attorney Docket Number	I-2-0139.2US
Number of Pages in This Submission		

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Request for Certificate of Correction, PTO/SB/44 Form and Copy of Previously Filed PTO-1449 Form
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks	

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	VOLPE AND KOENIG, P.C.		
Signature			
Printed name	C. Frederick Koenig III		
Date	February 3, 2006	Reg. No.	29,662

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, Attn: Certificate of Corrections Branch on the date shown below:

Signature			
Typed or printed name	C. Frederick Koenig III	Date	February 3, 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 09 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 1 of 4PATENT NO. : 6,947,402 *B2*

APPLICATION NO.: 10/074,949

ISSUE DATE : February 13, 2002

INVENTOR(S) : Sezgin et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At section (56), line 8, insert therefor --FOREIGN PATENT DOCUMENTS WO 9912273--.

At column 1, line 64, after the word "256", delete "Hadamarad" and insert therefor --Hadamard--.

At column 2, line 1, after the words "of the", delete "Hadamarad" and insert therefor --Hadamard--.

At column 2, line 44, after the word "50", insert --,--.

At column 4, line 48, after the word "modulate", delete "SSCS" and insert therefor --SSCs--.

At column 4, line 51, after the word "of", delete "Hadamarak" and insert therefor --Hadamard--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 09 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 2 of 4PATENT NO. : 6,947,402 *B2*

APPLICATION NO.: 10/074,949

ISSUE DATE : February 13, 2002

INVENTOR(S) : Sezgin et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 4, line 52, after the word "The", delete "Hadamarak" and insert therefor --Hadamard--.

At column 4, line 63, after the word "of", delete "Hadamarak" and insert therefor --Hadamard--.

At column 5, line 22, after the word "32₁", insert --,--.

At column 7, line 10, before the word "is", delete "108_{2Q}" and insert therefor --108_{2M} --.

At column 7, line 58, after the word "code", insert --groups/two--.

At column 7, line 59, after the first instance of "SSCs", delete "128" and insert therefor --126--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 09 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 3 of 4PATENT NO. : 6,947,402 B2

APPLICATION NO.: 10/074,949

ISSUE DATE : February 13, 2002

INVENTOR(S) : Sezgin et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 7, line 59, after the third instance of "SSCs", delete "126" and insert therefor --128--.

At column 8, line 6, after the word "with", delete "aUE" and insert therefor --a UE--.

At column 8, line 22, before the words "using BPSK", delete "114" and insert therefor --112--.

At column 8, line 22, after the word "SSCs", delete "112" and insert therefore --114--.

At column 8, line 26, after the word "lation", delete "112" and insert therefor --114--.

At column 8, line 26, after the word "modulation", delete "114" and insert therefor --112--.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: **Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 09 2006

**UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION**Page 4 of 4PATENT NO. : 6,947,402 *B2*

APPLICATION NO.: 10/074,949

ISSUE DATE : February 13, 2002

INVENTOR(S) : Sezgin et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

At column 8, line 33, after the words "four PSCH time slots", delete "116" and insert therefor --118--.

At column 8, line 33, after the words "eight PSCH time slots", delete "120" and insert therefor --122--.

At column 8, line 34, after the word "slots", delete "118" and insert therefor --116--.

At column 8, line 35, after the word "slots", delete "122" and insert therefor --120--.

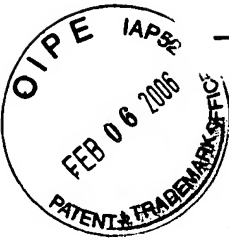
MAILING ADDRESS OF SENDER (Please do not use customer number below):

Volpe and Koenig, P.C.
United Plaza, Suite 1600
30 South 17th Street
Philadelphia, PA 19103

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 09 2006



FORM PTO-1449
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
I-2-139.2US

SERIAL NO.
Not Yet Known

APPLICANT
Sezgin et al.

FILING DATE
Not Yet Known

GROUP
Not Yet Known

11017 U.S. PTO
10/074949



U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO
AA* WO 99 12 2 7 3	3/99	PCT			

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AW	AB*	TSG-RAN Working Group 1 (Radio) Meeting #3, "A New Hierarchical Correlation Sequence with Good Properties in Presence of a Frequency Error", Eskilstuna, Sweden, March 22-26, 1999.
	AC*	Nadir Sezgin and Fatih Ozluturk, "BPSK Modulated Secondary Synchronization Codes for Cell Search in UTRA TDD", May 28, 2000.
	AD*	TSG-RAN Working Group 1 Meeting #2, "Synchronization Channel with Cyclic Hierarchical Sequences", Yokohama, Japan, February 22-25, 1999.
	AE*	ETSI SMG2 UMTS, Physical Layer Expert Group Meeting #2, "Comma Free Codes for Fast PN Code Acquisition in WCDMA Systems: A Proposal for the UTRA Concept", Paris, France, April 28, 1998.
	AF*	InterDigital Communications Corporation, "QPSK Modulated Secondary Synchronization Codes (SSC) Algorithm", August 9, 1999.
	AG*	3GPP TSG-RAN Working Group 1 Meeting #4, "Calculation of t_{offset} for Physical Synchronization Channel in TDD Mode", Shin Yokohama, April 18-20, 1999.
	AH*	TSG-RAN Working Group 1 Meeting #5, "BPSK Modulated Secondary Synchronization Codes Based Cell Search in UTRA TDD", Cheju, South Korea, June 1-4, 1999.
	AI*	European Telecommunications Standards Institute, "Universal Mobile Telecommunications System (UMTS); UMTS Terrestrial Radio Access (UTRA); Concept Evaluation", (UMTS 30.06 version 3.0.0), (1997)
	AJ*	K. Higucki, M. Sawahashi and F. Adachi, "Fast Cell Search Algorithm in DS-CDMA Mobile Radio Using Long Spreading Codes", (1997), pp. 1430-1434

EXAMINER

A W Walbe

DATE CONSIDERED

4/14/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.